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AUTOMATICS PLAY IMPORTANT ROLE  
IN PLANT TECHNOLOGY

MACHINE TOOL SETS UP ITS OWN WORK -- Sovetskaya Litva, No 77, 31 Mar 50

A machine tool in operation at the Gorlovka Plant imeni Kirov automatically sets its cutter at the required position, moves over the rest, and checks measurements. The operator has only to put the billet in place and to remove the machined part at the conclusion of the operation. When the machine has completed the machining of a part, a panel lights up with the word "stop", summoning the operator.

The machine was rendered automatic through the application of a special apparatus, invented by Kaufman of the Moscow Automatics Institute.

AUTOMATIC WELDERS PERFORM WELL -- Moskovskiy Bol'shevik, No 11, 13 Jan 50

The Moscow Kompressor Plant is using automatic welders designed by the Central Scientific Research Institute of Technology and Machine Building. Working in series production, the welders are turning out work of excellent quality.

MACHINES SPEED WORK, IMPROVE PRODUCT -- Sovetskaya Moldaviya, No 66, 31 Mar 50

A large park of semiautomatics, the design of Engineer N. F. Volynin, are speeding the output of abrasive wheels at the Leningrad Il'ich Plant. The machines apply the abrasive granules to the wheel so that they are regularly distributed. The durability of heavy grinding wheels has been tripled, and much raw material has been saved.

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INNOVATIONS AND PLANT -- Sovetskaya Latvya, No 85, 9 Apr 50

Nearly half of the more than 1,300 suggestions of innovators at the Novo-Kramatorsk Plant imeni Stalin have been put into effect.

In Machine Shop No 1, a series of mandrels for drilling cylinders have been made, enabling many machinists to raise their output  $1\frac{1}{2}$  times. A new method of sharpening sectional milling cutters, adopted in the excavator shop, has sped up this operation 100-200 percent. In the pig-iron foundry, casting is being performed, in some cases, in metal instead of sand molds.

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